Routes to tour in Germany The Germany The

The Nibelungen Route

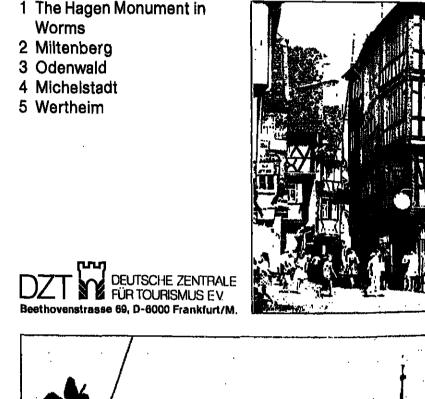


German roads will get you there - to the Odenwald woods, for instance, where events in the Nibelungen saga, the mediaeval German heroic epic, are said to have taken place. Sagas may have little basis in reality, but these woods about 30 miles south of Frankfurt could well have witnessed galety and tragedy in days gone by. In Worms, on the left bank of the Rhine. people lived 5,000 years ago. From the 5th century AD the kings of Burgundy held court there, going hunting in the Odenwald.

With a little imagination you can feel yourself taken back into the past and its tales and exploits. Drive from Wertheim on the Main via Miltenberg and Amorbach to Michelstadt, with its 15th century half-timbered Rathaus. Cross the Rhine after Bensheim and take a look at the 11th to 12th century Romanesque basilica in Worms.

Visit Germany and let the







Hamburg, 5 February 1984 Twenty-third year - No. 1119 - By air

Arms issue dominates Kohl visit to Israel

Imntfurter Allgemeine

Mancellor Kohl's main aim in visiting Israel will surely have been to ake some headway in normalising reons between Bonn and Jerusalem.

This was an aim shared by many iermans, including the younger generaon that was in no way personally to ame for the Nazi holocaust.

But he can only be said to have failed. the Chancellor's visit was overshadoed by the possibility of German arms ies to Saudi Arabia.

ince Israel views Saudi Arabia as a stile state the Israelis again conjured appalling vision of German wea-

IN THIS ISSUE

WORLD AFFAIRS Kohl's Ostpolitik takes on a new profile	Page 2
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Kiessling episode latest of the many MAD affairs

HE THEATRE Wilson gets his wizard spectacular together

the world together DERN LIVING Spirit of a mercy

The forces that hold

Ms, this time in Arab hands, killing or in threatening Jews.

The arms supply issue has intensified 44 sion of the extent to which Gerany, in view of Nazis misdeeds, has a ecial historic and moral responsibilifor the well-being of the state of 1s-

⁴⁰⁷ sought to sound a personal note in nting himself as the representative la new generation of Germans. In 1945 he was a mere 15-year-old.

n Israel such reminders are not well wed. They are readily interpreted as denial of Bonn's special responsibility

his inference is drawn even when a Chancellor is quick to add that the deral Republic has learnt its historical Mon and acknowledges this special resibility for Israel's security.

en such a calm and collected man the Opposition's Abba Eban, who in

1965 as Deputy Foreign Minister negotiated the terms by which the Federal Republic and Israel established diplomatic relations, said on Israel Radio there had never been entirely normal relations between the two countries.

Ties had always been limited in some sectors, and Germans arms supplies to Saudi Arabia were, as he saw it, a "violation of historical sensitivity.

There was evidently too great a readiness to believe the past could be forgotten and Germany could behave in the same way as Britain, say, or France,

The word "German" still triggered a feeling of bitterness among Jews that was not prompted by mention of other The treaty on political and military

cooperation signed by Chancellor Kohlin Riyadh last autumn had been an

"Maybe the past will one day lie behind us," Mr Eban said, "but it doesn't He added that anyone with any sense

ny's return to the ranks of civilised naof history must be appalled by the prospect of German weapons killing or even threatening people in the Jewish might have been forgiven, but it hadn't been forgotten. German arms supplies



ISSN 0016-8858

The Bonn delegation sought with reference to the new Germany to ease the nement to Israel into question. Bonn replied that the Federal Repumoral pressure exerted by the Israelis, blic was a major member of the Western

> of its own in the Persian Gulf. Besides, Riyadh would be required to give assurances that the weapons would

alliance and thus had to defend interests

not be used against Israel. The answer given in Jerusalem was that the delivery of a number of the

world's best weapon systems to the Continued on page 2

Bonn and Jerusalem: tough path to normalisation

A WEEKLY REVIEW OF THE GERMAN PRESS

The Chancellor's official visit to Is-A rael has clarified matters but cannot be said to have contributed in any meaningful way toward more cordial relations between Bonn and Jerusalem.

They were sub-zero before his visit and are still distinctly chilly.

From the moment he arrived his visit was marked by tension and differences of opinion that overshadowed it throughout in every detail.

Both sides may have made a point of describing the general atmosphere as cordial, but neither Herr Kohl nor his ost, Prime Minister Shamir, were able to agree on any of a wide range of is-

The Chancellor's plan of presenting himself as the representative of a new Germany and another generation of Germans failed to work.

That was not what Mr Shamir wanted to hear. What the Israeli Prime Minister wanted to learn was what arms deals with Saudi Arabia were envisaged.

The Chancellor and his spokesmen denied rumours and reports of arms supplies to Riyadh, but Foreign Office Minister of State Alois Mertes, speaking on Israel Radio, promptly admitted that

Handelsblatt

but the Israelis refused to ease it.

They recalled that the establishment

of diplomatic ties with Israel had been

part of the German people's atonement

to murdered Jews and part of Germa-

At government level the holocaust

the deal with Riyadh had been conclu-

It remained only to reach agreement, and negotiations were already under way, on the quantity and delivery dates and categories of arms to be supplied.

Herr Mertes' remarks on negotiations being held between Bonn and Cairo with a view to exporting German arms

Serious clashes were not only limited to German arms deliveries to the Middle East. A well-meaning bid to put Bonn's cards on the table was a further failure.

On the first evening of his visit the Chancellor outlined the concept of German policy on the Middle East, consisting of support for the Palestinians' right of self-determination and the 1980 Venice declaration of EEC leaders on the Middle East and backing for the resolutions passed at the Arab summit in Fez and the September 1982 Reagan

Plan for a solution to the Israeli-Arab

All four are points Israel has repeatedly rejected. Israel feels bound only by the Camp David Agreement, and it was barely mentioned by Chancellor Kohl in

Little progress was made in the economic sector either. It was neither fortunare nor particularly astute for Israel to call on Bonn to block full EEC membership for Spain until Israel's vital trading interests are safeguarded and full diplomatic ties have been established with Madrid.

Forty per cent of Israel's foreign trade is with the European Community, totalling S4.4bn last year, in the course of which Israel's trade deficit increased by 20 per cent to \$1.5bn.

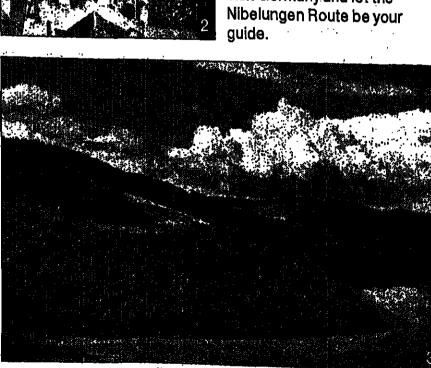
The Chancellor dismissed with a reference to Bonn's own need to enforce budget cuts Mr Shamir's request to beef up German economic assistance from its present total of DM140m a year.

He also dismissed requests for more German investment in Israel with the comment that the German authorities respected the views and interests of private enterprise.

Before leaving, the German delegation reached agreement with its hosts on an interim balance-sheet that despite diplomatic niceties and turns of phrase

Continued on page 4







"extravagant" data storage practice of

tion guidelines have not always been

The matter is being discussed with the

Continued from page 1

In military and foreign policy tens

Chancellor Kohl wanted to end ris

rences to Auschwitz and Dachau, braft

ways of compensating Israel for it

German arms deal with Saudi Arabia

application of German technology.

withstand serious strain.

(Frankfurter Allgemeine Zeitz)

für Deutschlund, 25 January)

two years ago has been moderated. But checks have also shown that dela-

national communism."

red indiscriminately.

the situation.

observers felt.

events of 1933 to 1945.

■ DATA PROTECTION

Personal information handled carelessly, Commissioner's report says

rederal data authorities have often L been careless in handling personal data, says the Federal Commissioner for Data Protection, Reinhold Baumann. But there has been no deliberate mis-

Baumann says in a report that Germany had not become a surveillance

But he does say that although the Federal Office for the Protection of the Constitution had tightened its controls, information was still being stored about people who had nothing to do with anti-constitutional movements.

His criticism was primarily directed at the Federal security agencies and at Interior Minister Friedrich Zimmermann's ideas on a revamped federal privacy act.

He wanted more cooperation and information from certain federal authorities. He didn't say which ones.

Reactions to the report varied.

The domestic affairs spokesman for the Bundestag conservatives said that it "set right a distorted picture."

His SPD opposite number said that the report showed that the "persistent controls and counselling of the past few years have resulted in considerable suc-

Baumann said that he had been commissioned by the Bundestag to present

Frankfurter Alläemeine

an analysis of the Constitutional Court ruling on the Census Act before Easter.

He would concentrate on the question whether the ruling meant that an amendment would be needed to proposed legislation covering new forgeryproof ID cards to be issued in Novem-

The commissioner said he was not in principle opposed to the new cards. But he had urged the Interior Minister to ensure that privacy rights are not violated.

The Interior Minister's draft of a new data protection concept presented last summer not only lagged behind the 1982 draft but also fell short of existing laws on major points, said Baumann.

His report deals at length with federal security agencies including Militärischer Abschirmdienst, the controversial military counter intelligence service (MAD) that has come under criticism in the past

Military counter-intelligence had recognised the justification of recent complaints and has largely acted on recom-

Another Bundeswehr security agency,

Amt für die Sicherheit der Bundeswehr (ASBw), has set up a work group that

index" has had 500,000 cards removed

The commissioner said he had been told that any future transmission of data to other security agencies would be pre-

He was already in a position to say that counter-intelligence had an openminded attitude towards the protective provisions for the handling of personal data and that it would do what was

The Bundesamt für Verfassungsschutz, or Federal Office for the Protection of the Constitution, had also beco-

Despite this, Baumann said, some of the internal regulations were still too

nothing to do with anti-constitutional

The commissioner also criticised the police which, he said, in a number of cases forwarded data to the Verfussungsschutz on a scale incompatible with the provisions on the separation of police and intelligence agencies.

The report rebuts the idea that the

The report praises the Bundesnuchrichtendienst (BND) or Federal Intelligence Agency, and speaks of a "generalgratifying tendency to improve the protection of personal data."

Big police dragnet operation 'was not illegal'

me for my work.

DIE WELT is one of my impor- I have been a daily reader of DIE WELT for many years and particularly of its economics section, DIF one needs.

DIE WELT

Decision makers¹ daily in Germany.

DIE WEU is a newspaper of the Axel Springer Publishing Group. For further information contact: for further information contact: DIE WELT and WELT am SONNTAG Advertising Departmental Hamburg 3471

has meanwhile deleted "several tens of thousands" sets of personal data. A supplementary "manual card

and destroyed

ceded by checks on authorisation." He would soon verify the cleanup.

me much more careful storing data.

His checks had shown that data was still being stored about people who had

Verfassungsschutz stores masses of data of people who simply made use of their basic rights. The opposite comes closer

This is shown by a specific but unnamed branch of the operation where an

But the Opposition Social Democrats in the State assembly said the dragnet, late last year, was illegal.

lier establishment of a police documentation system dubbed POLDOK which led to the setting up of an inquiry commission in Mainz.

cause of protests against nuclear weapons, contained, among others, the names of mere witnesses, one of whom was the chairman of the Palatinate SPD.

SPD Assembly Member Scharping said that the Commission was set up to safeguard people's right to decide what

pering the fight against crime.

between 11 p.m. and 4 p.m.

which the states of Hesse and Samuela baps has made the agency a risk factor refused to participate, as an imposition of Defence Minister Manfred Worner.

Rhineland-Palatinate.

blished.

He said that after the attacks of the said that after the said tha

work and avert danger?

had produced useful information.

(Frankfurter Allgemeint Zeich inappower, installations and equipment

The military counter-intelligence serl vice, MAD, (Militärischer Abschimdienst), is the organisation that supplied the information which led to the dismissal of General Günter Kiess-

observed and data had sometimes been It is alleged that the general frequen-Among the questions described a not homosexual bars in Cologne.

"still open" is the extent of data storing Affairs of various kinds have contiby the BND in connection with "inter and to beset MAD, with the result that four heads of the organisation have rol-

The report says that storing of personal data should be restricted to impor-And not only they have been sacked: tant individuals. Data of all members of the MAD seems to be an increasingly relevant organisations should not besto strous security risk for the Defence Mi-

In 1978 Social Democratic Defence Minister Georg Leber was first to be forced to resign in connection with illealbugging by MAD officers.

Everyone has some trauma or other. so does the MAD. On 23 September 1968 a darkroom worker at a Bonn pholographer's made a startling discovery Bonn, Jerusalem Ma Minox film he was developing. It contained harmless holiday snap-

shots and shots of top-secret Nato doaments. The film had been brought in conveyed a clear and realistic picture of by Admiral Lüdke, who worked at Nato

The admiral was responsible for reinforcements and supplies, so he had am-Bonn and Jerusalem came no close h ple access to classified information. The all talks the Israelis referred to the tract Bonn CID were tipped off; they referred the matter to the MAD.

They seemed to be petrified. Nothing was done. Time went by - invaluable time in which the admiral, if he was a The bridge spanning different view spy, could dispose of evidence. points is still a weak one. The Chancel On 8 October 1968 he was found in

lor, his advisers and aides were often the Eifel hills, near Bonn. He had been impatient, brusque and displeased. shot and was officially claimed to have They made it clear only too oftenthal committed suicide, but the records the visit to Israel had taken a course to sound a note of doubt.

tirely different to what had been plant It would have taken a striking feat of ned, prepared and expected in Bonn. | acrobatics for Admiral Ludke to shoot What is more, considerations is alread himself with his rifle. No-one ever found dy being given behind the scenes a out whether he had really been a spy ei-

The agency was bound to be accused of having shown too much respect for There can be no question of Gema his rank. The Ludke trauma must defiarms exports to Israel, but there is in the borne in mind in connection of long-term licenses, know-how as with the Kiessling Affair.

Intelligence agencies may have short-But in the short term relations by comings of many kinds, but a poor meween Bonn and Jerusalem must a mory is not one of them. Mistakes, their own and those of other agencies, are Joseph Canan | tvaluated and filed forever.

The MAD had no intention of repeating its Liidke mistake. Never again was it going to lay itself open to charges of not having done a proper job for fear of senior officers.

The pendulum swung in the opposite direction. General Kiessling was dealt with by an agency unimpressed by his four stars and determined to work on legardless. Has it overdone it again?

It will be a while before the full deof the losers will be. It has dealt a se-

bomb attacks on military installations in the smouldering MAI) crisis, which has aready cost one Defence Minister his

party-political affiliations.

Reports that were expected to bear in

■ SECURITY

Kiessling episode latest of the many MAD affairs

from espionage, sabotage and attacks by mind the keynote of detente were bound security risks and to take appropriate preventive measures."

The MAD was long felt to be a small but high-grade outfit. For 22 years its shortcomings were kept to within reasonable limits.

It was usually given a favourable mention for its work in unmasking spies, but in 1978 its dirty tricks department was found merely to have kept its activities under wraps longer and more effectively than other intelligence agencies.

Defence Minister Leber was under attack in connection with the Lutze espionage affair, the most serious case of treason in the history of the Federal Republic of Germany.

The MAD has slipped up in its securiy checks, and when it transpired that the agency had bugged the Minister's secretary Herr Leber was questioned by the Bundestag.

Having been misinformed by the agency, he unwittingly misled the Bundestag about other cases of bugging. It then turned out that MAD agents had bugged suspects in circumstances that could only tenuously be termed legal.

Herr Leber resigned. The crisis began. And the MAD gained an unenviable renutation for getting through its commanding officers faster than other agen-

At the Bundesnachrichtendienst, which has been in operation in its present guise for 27 years, only the fourth man is in charge.

Reinhold Gehlen was succeeded by Gerhard Wessel and Klaus Kinkel by the present incumbent, Eberhard Blum.

The Verfassungsschutz has been in ness to do so. business for 33 years. Its present head is its fifth, Heribert Hellenbroich, The

Christ und Welt Abeinischer Merkur

other were Otto Jahn, Hubert Schrübbers. Günther Nollau und Richard

The MAD, also 27, is now into its seventh commanding officer. It was set up in 1956 by Gerhard Wessel, who later took over from General Gehlen at the

He was succeeded by Armin Eck, 1967-71, and Paul Albert Scherer, 1972-77, both of who can be said to have served normal terms.

But the present head, Brig. Helmut Behrendt, is the fourth in six years. Scherer was followed by Helmut Komossa, 1978-80, Klaus Volimer, 1980-81, and Elmar Schmähling, 1981-83.

Behrendt, who has only held the post since last September, stands a fair chance of being the shortest-serving MAD head ever.

Pundits claim the crisis is largely due to party-political appointments. General Scherer was the first MAD head to owe his job to holding the right party card (he was a Social Democrat).

The SPD government in Bonn suspected the BND in Munich of being too Christian Democrat in its leanings and

It mistrusted BND assessments of the military situation. So the MAD began to analyse the situation too (normally a job for the BND).

to result in conflict among MAD experts who were more concerned with facts. Two of Brig. Behrendt's predecessors

were sacked because they were unsuitable, one was dropped because he was having an affair with a woman who worked at the Bundeswehr intelligence college in Bad Ems. Behrendt was head of the college and

appointed to succeed him, much to the disgust of many MAD officers, some of whom are rumoured to have been gunning for him.

Insiders hint that the latest affair may have been staged with Brig. Behrendt as the fall guy (and General Kiessling as the tragic hero).

There can be no doubt that General Kiessling did not get on with US General Rogers at Nato, where he was Deputy Suceur. Their bad relations were a well-known fact.

General Kiessling himself complained to Defence Minister Wörner about them. Genral Rogers made diplomatic hints to Bonn. But nothing was done to begin

Suddenly the situation assumed fresh urgency. A high-ranking Ministry official reported suspicions that General Kiessling was a homosexual

The source of the rumour, and whether it was merely part of a bid to find a pretext for replacing General Kiessling, is still unknown. But the MAD went ahead and investigated it.

Part of its work is to identify security risks, and that means more than just unmasking people who have committed espionage or sabotage or stated readi-

As part of the agency's confidential preventive measures Bundestag officers and men with failings that might be used to make them commit security offences must be identified.

People who are heavily in debt could well be tempted by a cash offer by enemy agents. Criminal offences that have gone undiscovered are another soft spot, abnormal sexual inclinations a third.

Nothing was known about General Kiessling's alleged homosexuality. When first confronted with the allegations he strongly denied them.

The MAD unquestionably had to check and make sure there was no security risk involved. The agency's computer, which has over four million Germans on file, drew a blank.

The general had passed all security checks with flying colours, including checks of his personal acquaintances. If the allegations turn out to be true, then the MAD must have been completely in the dark for decades.

An MAD officer contacted a Cologne CID officer to ask whether the police knew anything about homosexual contacts by a Bundestag soldier named Kiessling.

The answer was no. The CID were asked to check in the city's homosexual haunts. No indication of the reason for the request or the rank of the man in question was given.

Requests for assistance between the police and intelligence must be made to chief of police, Jürgen Hosse.

But unofficial contacts have the advantage of leading to faster results, although they are riskier.



Brigadier Heimut Behrendt, in charge at

The CID officer had no idea how explosive the affair was. The unofficial approach via a junior MAD official seemed to indicate it was nothing very important.

The enquiries were not curried out thoroughly enough to come up with watertight evidence. A few witnesses, and shady characters too, claimed to have seen Kiessling in gay bars in the

Two crucial mistakes were then made. The general was not tailed to verify such allegations beyond doubt, and the MAD beefed un police observations made under mistaken assumptions into a full-

scale report. General Kiessling, it was said, had been definitely identified. Witnesses were ready to come forward. The state CID in Düsseldorf had double-cheeked.It hadn't. It wasn't involved at all. The reference to Düsseldorf was intended either to camouflage the source or

to upgrade and bona fide it. It succeeded handsomely. Herr Wörner felt he was on safe ground and prematurely retired the general. In view of

the report he had no choice. But the report was based on feet of clay, as it were. The MAD misled not only the Cologne CID officer but also the Bonn Defence Minister.

This will remain the case even if further enquiries prove the truth of the allegations. The decision may then have been right, but not the grounds.

The worst error of all was made after the general had been sacked. Highranking generals, like high-ranking Ministry officials, can be prematurely retired by their Minister at any time without a reason needing to be given.

It is enough for the Minister not to see ve-to-eye with the official. He makes his recommendation to the President; the President signs the notice of premature retirement.

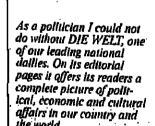
But after General Kieslling had been retired, MAD officers felt they still had to lend the Minister support. They hinted that he had not just been sacked because he didn't get on with the Minister.

He had homosexual leanings, they said, and was a security risk. That was a reason stated unneccesarily, but if reasons are stated, then at least they must the senior officer, in this case Cologne's be accurate. From this point on, the quest for proof began.

> Horst Zimmermann (Rheinischer Merkur/Christ und Welt,

Three of 590,000 WELT readers.

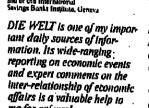


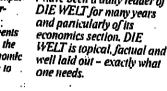


DIE WELT has a clearly defined political standpoint and this is reflected in its eading articles. It offers its readers an abundance of nteresting information which I, as a politician, find essential morning reading -irrespective of whether I agree with everything the paper says or not. Freedon of opinion is the hallmark of a free press and the free press is one of the essential ollars of our freedom.











A huge security operation during which 75,000 car registration numbers and details of drivers and passengers were checked in Rhineland-Palatinate was legal, according to the Land

Commission for Data Protection. It ruled that information collected during Operation Dragnet was not data under the terms of data protection pro-

They said this came on top of the ear-

POLDOK, introduced in connection with the anticipated "hot autumn" behappens to personal data withou

The SPD said it was intolerable people should find themselves in semilals of the Kiessling Affair have been lists only because they had driven and Carified, but it is already clear who one

It described the police action hous blow to the MAD's prestige. which the states of Hesse and Sault A succession of unpardonable mis-

State Interior Minister Bockmann The MAD is the country's smallest in-fended the operation, saying that project the MAD is the country's smallest in-had to put up with having identity estimates in Munich and the Verfas-

ork and avert danger?

The minister said that the opening and German Nato staff.

Ponfolio, has come to a head again.

Not enough investment, institutes accuse

Germany has become commercially less competitive and is investing too little, say the economic research in-

The reports, commissioned by the Bonn Economic Affairs Ministry, are likely to have shaken government policy makers just as they were starting to rejoice over the looming recovery.

They disagree only on detail. And the picture is disturbing.

Competitiveness has clearly declined. World trade has not, as usual, expanded within the European Community and in the USA but primarily in the Opec countries, Japan and Asia's threshold na-

German exports to the Far East have barely risen in the last few years. The major export industries, machinery, chemicals and electronics, have suffered disproportionate losses of market shares. Not, however the motor industry.

In the past few years, Germany's ability to produce and market new products has been found wanting.

As a result, the country's significance as a supplier of high-tech and sophisticated goods has clearly declined. Has become a net importer of high-tech pro-

Although the National Federation of Industry and the Bonn Research Minister both warn against overestimating weaknesses in some sectors on international markets, the outlook remains dis-

There is also little consolation in the fact that other Community nations are even worse off while the USA leads in the field of high-tech and Japan in sophisticated technology.

There are several reasons for this. The main one is inadequate investment.

Only 7.5 per cent of the German GNP goes into capital investment excluding housing, compared with 12 per cent in the early 1960s.

This has led to industrial obsolescence and retarded the rise in productivity, especially in manufacturing.

It is this sector that matters if Germany is to remain internationally competitive without reducing incomes in order to do so.

This should be remembered by those who say that more rationalisation and technology are unnecessary in maintaining living standards.

Several institutes stress that there is

no foundation to the widespread fear, often fuelled by the trade unions, that technology and automation destroy jobs.

They point to the fact that the job situation in industries that have been successful in raising productivity compares favourably with industries that haven't.

For instance, no other industry uses more robots than the motor industry.

The number of people employed rose from 727,000 in 1972 to 788,000 in 1982. and not only due to economic develop-

The robots made it possible to produce more "intelligent" cheaper and hence more saleable cars. The same cars would have commanded luxury prices before the robot era.

One of the major obstacles to investment is the decline of profits due to the rise in labour and energy costs.

New production methods sometimes cannot be introduced due to restrictions by the state. This applies, among others, to the new media which are of paramount importance in the development of communication technologies.

Companies that are prepared to innovate often don't have enough capital, particularly small and medium firms where innovation most often takes

Red tape is another deterrent to cre-

It is no coincidence that in Baden-Württemberg, the classical tinker state, small and medium-sized companies are doing a booming business with modern technology.

The difference in interest rates between the USA and Germany is another barrier to investment. It is much more tempting to put money into high-yield US securities instead of risky industrial investments at home.

The reasons for Germany's declining international competitiveness are familiar. It is now up to Bonn to act without causing harm in other sectors.

The trouble, however, is that government activities are regulations interfere with market forces.

Take subsidies: the government's policy is to channel capital into structurally weak sectors such as farming, coal. steel, shipbuilding and the railways.

The subsidies delay structural change, maintain excessive wage levels in entire industries and regions. They thus endanger unsubsidised companies that

Since Sept. 1949 The changing path of the dollar measured against the DM r 71 February 73 March 73 DM revalued Dollar comes off gold standard New exchange rate system Dollar devalued Floating DM/\$ link Dollar hits bottom

would otherwise be competitive. Tax laws are also not exactly helpful in raising risk capital for innovations.

The Chancellor has repeatedly said that he is to push policies to promote in-

There is no shortage of recipes, especially from the Economic Affairs Ministry. But the mills of bureaucreacy grind slowly. The oft-mooted tax reforms are evidently more difficult than anticipat-

Instead of this spring, it will take until summer before private taxpayers and business will learn what relief they can expect and when.

Part of the envisaged tax reform is the reduction of subsidies. The mere restriction of the Bauherrenmodell for housing construction and other write-off practices will not do the trick.

The Finance Minister will have to deal with the unpleasant task of reviewing a number of other privileges taxpayers have grown fond of. There is also still the problem of mak-

ing it easier for small and medium sized companies to obtain risk capital. Many banks are reluctant to lend

DM100,000 or DM200,000 to people wanting to go into business. But they willingly provide additional

millions for large and inert companies. Bonn cannot influence this. What it can do is to make it easier for small companies to go public. The go-

vernment should also seek ways and means of making it more attractive for the man-in-the-street to sink his money into risk ventures Helmut Kohl's intention to solve the

European Community's problems together with French President Mitterrand could also revive the idea of Franco-German cooperation in developing top grade new technologies. This, too, would help. Fides Krause-Brewer

(Rheinischer Merkur/Christ und Welt

Little chance that dollar will tumble

Porecasts about what will happen I the dollar this year vary widely far DM3 or more to as little as DM 250a

Dollar pundits have become more tious. And a major commercial bankly lieves that the dollar will no longerpm] from all sorts of "fashionable fears"h stead, international money will on more flow into countries with a fund mentally stable currency. In any event, it would be wrong t

count on a tumbling dollar in the an Since 1945, the dollar has both deli ed slowly and then bounced back is

pressively. In 1949, when the dollar was fixed DM4,20, there was no sign of any def

On the contrary, It was the corners of the fixed exchange rate system of the

It was in short supply and make gold as a national reserve beas Washington guaranteed its convenient

But then the Americans started les their solidity. Their world-wide speciing for development and military and the Vietnam War created huge & cits that had to be financed by print Dollar assets grew on a world-

scale until it became obvious that he rican gold reserves would not be emi to continue guaranteeing the cont bility. The guarantee was revoked

Faith in the dollar and the fixed Continued on page 8

BUSINESS

Bosch chief to retire, but not completely

Dosch, Germany's second largest Delectrical group, will get a new chairman of the hoard this year.

Management board member Dr Marcus Bierich, 57, the representative of the Allianz insurance groups, will succeed Professor Hans L. Merkle.

Merkle, who is 70, will become of the supervisory bourd. He is on of Germany's most outstanding company executives and will continue to wield influence in his new position. He has been part of the Bosch manag-

ement since 1958 and has headed it since 1963, since when annual sales have risen from DM2bn to well over DM14bn.

Bosch now has a world-wide work force of 110,000.

Merkle was instrumental in diversifying the product range. It reduced its heavy dependence on automotive parts and developed a broader and more se-

of McKinsey.



Marcus Blerich.

Bosch partner, as financial director in 1961. He was appointed a management board member in 1967.

He has been a member of the Allianz board since 1980 and has for some time been spoken of as a possible successor to Merkle. It is thus not surprising that the Al-

lianz group's supervisory board is putting no stumbling blocks in his way.

Bierich will be replaced on the boards of Allianz Versicherung and Allianz Lebensversicherung by Dr Friedrich Schiefer, 44, now member of the shareholders committee and the executive committee td dpn vwd

(Frankforter Neue Presse, 19 January 1984)

Courage, ideas, dynamism lacking, says award winner

DIE WELT

prominent German businessmur A has accused the Bonn government of violating free-enterprise principles.

Heinz Nixdorf, chairman of the management board of Nixdorf Computer AG, says the government is allowing big companies to grow bigger while the growth of small ones is being hindered.

"Big companies have created no jobs," he said at a ceremony in Bad Godesberg at which he was awarded the Ludwig Erhard Medal for "meritorious services to the social market economy."

It is not often that German businessmen launch attacks like this on the go-

Nixdorf said that German business was short of courage, ideas and dynamism. Capital was not the problem.

German businessmen should be more self-confident in handling Japanese competition despite they fact that they were annoyed by what he called "unfair

He suggested that German prices should be raised one per cent if the re-



ieinz Nixdorf . , . criticised government

sultant after-tax profits helped generate jobs. Not all businessmen would agree.

Nixdorf began in a basement in 1952 with borrowed capital of DM30,000, Today his world-wide electronics company has a workforce of 16,000.

He can't resist sniping at such giant monopoly enterprises as the post office and Lufthansa.

He rejected the idea that today's Continued on page 8

One hundred years ago, the precision optics and glassware firm Carl Zeiss was founded in Jena, which is today in East Germany.

There are now two Zeiss companies, one in West Germany and the other in the Last. The name was subject to a long legal wrangle about the right to its use. The names Carl Zeiss and the brand

name Jena glass (oven-proof glass) have become hallmarks of quality throughout the world The firm was the result of close co-

operation between Carl Zeiss and the physicist and social reformer Ernst

Operations began in September 1884 with the manufacture of optical glass.

The company, which was turned over to the specially established Carl Zeiss Foundation in 1889, also earned fame with its exceptional social achievements, introduced and laid down in the Foundation's statutes by Ernst Abbé.

The now split firm made headlines in the post-World War II era because of long court battles over the use of the name Zeiss. When Carl Zeiss died in 1888 at the

age of 72, Ernst Abbé, who had for many years fought for reforms of labour-capital relations, introduced a number of social changes in the compa-He limited the company's right of

dismissal, introduced paid holidays, established a pensions fund and, by 1900, Zeiss workers had an eight-hour work

In 1919, the shares in the Zeiss company of the glass manufacturer Otto Schott were added to the Foundation's What remained of the Carl Zeiss

Foundation after the war and post-war dismantling was split between East and In the West, this resulted in the firms

Carl Zeiss im Oberkochen, Württemberg, and the Schott Glass Works in

Zeiss, firm with a crack in the glass

Mainz, both owned by the Carl Zeiss Foundation in Heidenheim, West Ger-

In the East the state-owned Carl Zeiss Jena emerged. Following a long legal dispute this company dropped the name Schott in 1980 but was allowed to continue using the trademark Jena Glass. The company now trades in most Western countries under the name Jenoptik.

Global sales of the Jena works were around 300m East marks in 1983. The Western Carl Zeiss Foundation,

consisting of the Zeiss and Schott groups, achieved sales of more than DM2.6bn that year. The legal dispute over the use of the

name Zeiss began in London in 1955. The court later dealt with the issue of



Carl Zelas . . . founding father. (Photo: Conti-Press)

compensation to the Jena company for its confiscated assets in the West. The dispute was settled out of court in

The German press paid great attention to the interim decisions of foreign courts on a possible de jure or de facto recognition of East Germany, especially

in the 1950s and early 1960s. Unlike with the legal disputes over the use by the GDR of other world famous trademarks - most of which were lost by East Germany -- the GDR was partly successful in the tug-of-war over the name Carl Zeiss.

In 1965, Switzerland's Federal Court ruled that the Jena works could sell its products under the name VEB Carl Zeiss Jena (VEB stands for Volkseigener Betrieb or people's company).

But the East Germans were defeated. in court rulings of the 1960s in the USA, France and Italy when they made a bid to stop the West German competition using the name Zeiss.

The Federal Court in West Germany ruled in 1957 that the East German company could not use the name in the

At the time, the West German court ruled that the Carl Zeiss Foundation was the sole owner of all rights of Carl

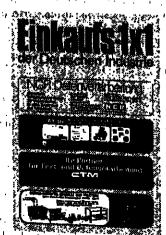
East Germany nationalised the Foundation in 1948, without compensation, and declared it a VEB.

After a tedious reconstruction of the East German works, 90 per cent of which had been dismantled by the Soviets, Jena works workers lost many of the social benefits after nationalisation.

A brief period of cooperation between the East German and West German companies came to an end in 1953. It had led to the arrest of and, in some instances, long prison sentences for East German company executives.

Heinz Kaiser (Stuttgarter Nuchrichten, 13 January 1984)

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Federal Republic of Germany

was a member of the Hosch supervisory board from 1976 to 1980.

Hens Merkle . . , outstanding record. (Photo: J. H. Darchinger)

Automotive electrics still account for be lion's share of sales. But other product areas such as Blaupunkt television, Bauer film cameras, Bosch-Siemens bousehold appliances, machine tools and a variety of other goods, now account for the remaining 50 per cent of

Merkle's work for the good of the Bosch group was tellingly demonstrated when his quick action resulted in the purchase from the ailing AEG of the bulk of its stake in Telefonbau & Nor-

The purchase by Bosch, together with Mannesmann and Allianz, of AEG-Teunken's stake in the telecommunications business, ATN in Backnang, provided the company with access to techaologies of the future.

After AEG applied to the court for Potection from its creditors, the new ATN equity holders recalled the shares and renamed the Backnang company

Bosch is linked not only with Siemens hrough their joint household appliance Mbsidiary) but also with Allianz insu-Pance, as evidenced by their joint involement in Backnang. Merkle's successor, Marcus Bierich,

He joined Mannesmann, another

BC, the Mannheim-based electrical Decompany, is confident that mass produced electric cars will take to the roads before the end of the decade.

It does not intend to manufacture the cars itself but hopes to cooperate with an established manufacturer.

BBC is now developing a high performance battery for the car.

"The battery system we developed over 10 years is not yet a sales hit, but it is a milestone en route to a high performance electric car," Dr Hans Kahlen, head of BBC's electro-car project, told the press in Baden-Baden.

The electric car has been around almost as long as the internal combustion version. The first was built by Thomas Alva Edison in 1889 and called Electric

Around the turn of the century, there were more electric cars than internal combustion vehicles on American roads. But it soon turned out that petrol, with its greater energy potential, was

better than batteries. "If we had an assured fuel supply for several centuries and if combustion engines were absolutely silent and nonpolluting, no other propulsion system would stand a chance," said Dr Kahlen.

The increase in oil costs gave electric cars another chance. Oil supplies no longer appeared secure and the public became increasingly environment con-

But no breakthrough has been achieved in electric-car development despite considerable research and development

The main bugbears have been technical problems and, even more so, the reluctance of the motor industry to get in-

The few electric vehicles that are now on the roads are experimental.

TRANSPORT

Mass-produced electric cars 'this decade'

MORGEN

Germany has about 20 electric buses. and 30 battery-driven VW Golfs are undergoing tests. Most have conventional lead batteries.

Other countries are working along si-

The USA has launched a \$160m development programme, but the prototypes are not efficient enough, according to

In America, electric cars have so far been a domain of small manufacturers. most of whom leave it to others to make

The major companies have so far see little marketing opportunity so have had no incentive.

General Electric (GE) and Chrysler have been tinkering with lead batterydriven electric cars but the prototypes never reached the assembly line.

General Motors announced in 1980 that it would build 100,000 cars a year from next year, 1985, but the nickel-tin battery proved too expensive and shortlived, according to Kahlen.

Electric vehicles have gained a foothold in British cities where some 30,000 are used primarily for milk delivery. Their speed ranges from 30 to 40kph.

Spearheaded by the state-owned Elec-

Meteorological stations

all over the world

supplied the data arranged in sec-at-a-glance tables in these new reference

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35-hour work week do not help their Geometep's objective is to identify

have to live with a strong dollar - or ware kilometres. if the American budgetary and current sulphide deposits are only a few hunaccount deficits speak against it is the metres across, but come in thick

ried out several experimental programmes over the past 15 years. The tests included buses. And some 120 Renault R4s and R5s have been

tricité de France (EDF), France has car-

converted to run on electricity. The Japanese have so far failed to come up with anything new. The electric

cars they do have on show are mostly powered by conventional lead batteries. Nissan intends to market a car with a nickel-iron battery. Toyota has obtained an Exxon licence for a zinc-bromine but-

tery which is still under development. Hitachi has begun testing a sodium-sulphur battery. BC also pins hopes on the sodiumsulphur variety. Sodium-sulphur batteries, which are now also being developed by Chloride and a Ford subsidiary

the energy of lead batteries. Dr Kahlen: "Our batteries are not yet

in the USA, deliver three to five times

fully developed. Much work will still be

needed before we can proceed to the GEOPHYSICS next type of battery."

This makes it the more surprising the BBC has announced that a battery in ven car will reach the market as eath; the second half of this decade.

It is still a company secret which co manufacturer has agreed to adom to BBC idea. In any event, BBC has a clear ide

about the final product: the combined purchase and operating cost will be a plenishing commodity deposits has ter have disappeared. In their place the more than that of a VW Golf more than that of a VW Golf.

130kph. It will accelerate from zerog 50kph in seven seconds and its range 100kph will be 250km. The battery will be rechargeable on sulphide ore deposits are self-re-

night by plugging it into any 224-of new recharging will be possible they are created by interaction between a costly charging devices. using a costly charging device.

conjunction with a battery leasing spread centists have reported ore layers grow-tem, this would be a sound approach ing several centimetres thicker by the

Electric cars would need 20km/kg In response to initial reports the Geo-100km. At today's rates, this would continue and Metallogenesis East Pacific, or about DM3, making operating one Geometer, project was launched in considerably lower than for petrol dis 1919

probably offset this.

The fall and rise of the dollar

Continued from page 6

change rate system was shaken despite many rescue attempts.

In 1973, the system had to be abandoned in favour of floating exchange rates. This was followed by a progressive decline of the dollar.

At the beginning of 1980, the exchange rate against the deutschemark renched its lowest point: DM1.71.

This was followed by a gradual and sustained recovery - and not only because high American interest rates attracted foreign money.

What mattered even more was the regained confidence in the political and economic strength of the USA.

Otto Wolff von Amerongen, president of the Chamber of Commerce and Industry, said that he was not one of those who believed the dollar to be overvalued. That fits into this picture.

The prevailing international view now is that the dollar is once more the would's safest currence despite America's budget and trade deficits.

America has grown more self-assured and has had considerable economic suc-

The anti-inflationary policy of the Reagan Administration and the Federal Reserve Bank has been conspicuously

remained relatively stable, the economy is surging ahead. This economic growth coupled with stable prices has boosted the dollar and confidence in it.

The situation can also be viewed in reverse: Many people seem to overlook the fact that Germany and its deutschemark no longer enjoy the international economic position of previous years.

Granted, the Germans still lead in the

ternational image has been cut down to size. Events like the dispute over the

There are disappointed hopes on the pations deposits in terms of origin and side of the Atlantic, where there is grown portance. ing self-confidence based on economic limital findings indicate that self-resuccesses. This cannot fail to have its bleishing ores are only likely to occur

liconomic research institutes in the Hany speed, geologically speaking. country have only just pointed to the The fastest drifts, about seven centi-

ture development of the two currence suphide ore deposits of this kind have risky, especially at a time when the pato be located White House seems to have abandond Exploration of deposits is beset by its benevolent neglect of the dollars properly difficulties. Sea-bed manganese

Nixdorf award

Continued from page 7 structural weakness in Germany wa

due to lack of capital. "What we're short of is courage, ide the finder to locate them. and dynamism."

While prices in the United States have emained relatively stable, the economy surging ahead. This economic growth coupled with etable prices have been as a wide strip, with example of the stable prices have been as a wide strip, with the stable prices have been as a wide strip, with dorf's innovative spirit.

He said that Nixdorf had just built vocational school "with no exit or at trance of its own" to force teachers and sof lava and small faults, such as whiff of factory air.

Nixdorf closed, saying: "I am glau" the ucposits are along marrow, be a German and I'm proud of our so the lighty ridges where volcanic activity the axial zone of shell edges.

fight against inflation. But other nations are catching up.

Germany has structural growth problems, close to 2.5 million jobless and a high budget deficit. Its competitiveness in the axial zone of shelf edges.

Karl Hohmann of the Ludwig Ethal his zone seawater pours through foundation called Nixdorf a "sensation of positive thinking" — a distinction of positive thinking" — a distinction of positive thinking are distincted by the media on Getham and the same businessmen of the 1980s.

Booty of the sea-bed in among the black smokers

The car will have a top speed of the hold of the hold of the

Unlike conventional deposits, which moner or later exhausted, the new-

Empty batteries could also be a spherical authorisms with a battery lesion.

They increase extremely fast. French

But the higher purchase price work include the Federal Geoscience Gert Goeld Research Establishment, Hanover, and (Mannheimer Morgen, 25 January 80) Pressag, also Hanover, and many dopestic and foreign universities.

They include the CNEXO group, of st France, while the Bonn Research and Technology Ministry has lent fina-

pechemical indicators to describe the

growing technology gap between ik neites a year, have been found in the USA and Cormany. This, too, makes forecasts on the plants faster than in the Atlantic, where

dules rare easy to spot in comparison: There is much to indicate that we walkast cover areas of thousands of

gers. Finding them on the bed of the (Der Tagesspiegel, 15 January 184 Collic is like finding a needle in a hay-

> Aventional geophysical and telehical methods have failed so far to lothe deposits, but as we know how they manate the search can be limited to

they are sections of the sea-bed whe-^{r faults} and folds and edges are known "There's enough capital," he say hoccur. So the first step is to use an

On board the German research vessel Berlin Mayor Richard von Weizski Mine a seabeam is employed. Unlike ration lines denoting the exact topo-

derwater TV.

sulphide deposits are along narrow.

of the 1980s.

Peter Gillies

(Die Well, 23 Januar) | 10 this thermal water the oxygen,

(Die Well, 23 Januar) | 10 this thermal water the oxygen,

re are silicie acid, potassium, calcium, hydrogen sulphide, iron, manganese, zinc, copper, barium and other elements. Where the hot thermal water meets

the cold seawater many minerals are precipitated and settle on the sea-bed in he form of a black crust. That is why thermal springs are

known as black smokers.

Sulphide deposits so far found have been conical, chimney-shaped humps like anthills. They are several metres tall and made of porous but firm, hard ma-

They consist mainly of sulphur compounds of iron, zinc and copper, Substances that are more readily soluble in seawater are precipitated further away from the hot springs or may even remain in the seawater.

So chemical analysis of the seawater may also help to locate deposits.

As deposits in the immediate vicinity of the sea-bed spring can be fast exhausted by deeps-sea water containing oxygen, their existence is taken to mean constant self-replenishment.

This inference has been confirmed by the French bathyscaphe Cyana. When they are fast covered by fine-grained sediment and shielded from the destructive influence of oxygen, deposits can keep more or less forever.

Their extremely high metal counts make deposits limited in quantity an interesting economic prospect. Some smokers contain up to 3.6 per cent copper, the record so far being 12 per cent.

The average for deposits found in the eastern Galapagos reef area is 10 per cent, which makes smokers even richer than comparable first-rate land deposits.

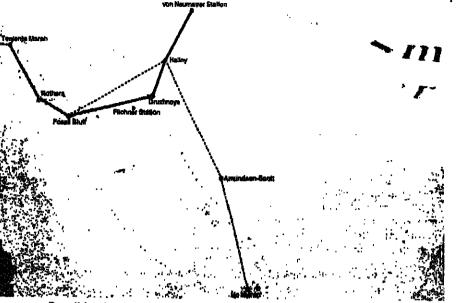
Commercial exploitation is still out of the question, however, because not enough smokers have been located.

Current research is aimed at filling gaps in what we know about overall deposits of sea-hed sulphide ore.

This research is accompanied on dry land by a flurry of diplomatic activity arising from the fact that the UN law of the sea conference failed to take black smokers sufficiently into account.

> Hinrich Basemann (Deutsches Allgemeines Sonnlagsblatt,

> > The research vessel 'Sonne' at Bremerhaven."



First scientific chirps as summer shines on polar ice

With summer under way at the South Pole the Federal Republic of Germany's third Antarctic expedition has started work.

This time it has the backing of two aircraft as well as the research and supply vessel Polarstern, which has been in use since 1982.

The planes have a wide range of roles to play, starting with flights between the Georg von Neumayer permanent base camp and the summer camp on the Filchner ice shelf

They will extend the range of activities expedition scientists can carry out, including the use of specially designed measuring equipment to probe the properties of soil only slightly thawed.

By signing the Antarctic Treaty in February 1979 Bonn gained the right to send scientific expeditions south of the 60th parallel and set up scientific bases in the Antarctic.

The research programme begun in January is led by the Alfred Wegener Polar Research Institute, Bremerhaven, with backing from Münster University geophysics department, the Federal Geoscience Research Establishment, Hanover, and Frankfurt institute of applied geodesy.

The sensory equipment the expedition has with it will be used for geophysical, cartographic, glaciological and, later, meteorological measurements.

Geophysical surveys will use an electromagnetometer to locate exploitable ore deposits. A proton magnetometer will indicate magnetic raw materials.

An electromagnetic reflection measuring device will sound out the ground topography beneath layers of ice that can be up to a kilometre thick.

Land overflown will be photographed exhaustively and in exact detail for geodetic work, and scientific missions naturally require utmost precision in naviga-

The two aircraft were bought by Bremen and placed at the Bremerhaven institute's disposal. They are a Dornier Do 128-6 and a DO 228-100 specifly equipped for Antarctic research.

Polar I, the smaller Do 128-6, is intended for use on freight and feeder runs, whereas the larger aircraft, the Polar 2, will fly long runs and take mea-

Both planes have oxygen equipment on board because they can fly at altitudes of up to seven kilometres, or four

Both were put through their paces in Greenland last summer, taking off and landing up to 40 times on snow- and ice-clad surfaces at altitudes of 2,500 metres (8,200ft).

They did so in various wind, weather and visibility conditions to check how reliable the special equipment was and to prepare for the Antarctic expedition.

The planes were flown 18,000km to the Antarctic via the Canary and Cape Verde Islands, Ascension Island, Brazil, Argentina and Chile.

They are now flying to and from the two Antarctic camps, which are 1,460km (912 miles) apart. The nearest neighbours to the summer camp are the Soviet Druzhnaya station, 270km (169 mile) away and the British airstrips at Halley and Fossil Bluff.

Summer at the South Pole is so short that the Filchner camp must be vacated by mid-February. The two planes will then fly back to Oberpfaffenhofen, near Munich, where they are expected back in mid-March.

The fourth Antarctic mission is planned to start in October and to last until March 1985.

In the 1984-85 season the Federal Geoscience Research Establishment has plans for an expedition to North Victoria Land, the starting point for Gondwana base camp.

The Hanover scientists are working on the project alongside research institutes in the United States and New Zealand.

(Suddeutsche Zeitung, 12 January 1984)

I THE THEATRE

Christ und Welt

Abeinischer Merkur

nob Wilson as the Wizard of Oz has

Diust let loose on Cologne theatre-

goers a six-evening spectacular featuring

the four fabulous characters immortal-

They were off to see a German won-

derland as envisaged by the Texan

playwright and director, a man possess-

actory to an audience of 6,000 at the

Shrine Auditorium in Los Angeles in

have been hired for the opening venture

of the Olympic Arts Festival. It will cost

DM14m, raised from patrons all over

Wilson's wizard spectacular, entitled

He has been touring the world for a

ised by Hollywood and on Broadway.

THE ARTS

Pictorial warning over the new industrial revolution

Rationalisation — 1984" is of an ex-hibition on show at the Berlin Art ble stereotype figures.

The title not only plays on Orwell's negative utopia but, as the gallery's director, Dieter Ruckhaberle, points out, it signals "a mixture of fear of an all-powerful state, the manipulation of language and the general lack of hope for

It also asks the question "How can mankind find a humane way to survive the 3rd Industrial Revolution?"

The preface to the exhibition catalogue, written by its co-organisers, the "Neue Gesellschaft für Bildende Kunst, provides an answer, or at least part of an answer: "The aim is to make sure technological progress also means social progress, so that the sun can shine on both sides of the street."

Admittedly, it's not easy to illustrate this idea in an exhibition which is supposed to be an "art" exhibition.

The organisers were aware of the difficulties they would have when trying to find works of art which had focussed on

For this reason, they commissioned artists from Berlin who had something to say about this subject or who at least felt they had a contribution to make.

However, not many of them could develop anything really "conclusive". Gernot Bubenik is an exception. On a seven-part aluminium plate (220 by 750 cm) he employs a masterly spraying technique to reproduce the history of technical rationalisation from Leonardo right through to the modern day, using a slightly surrealising style.

Akbar Behkalam, whose freely interpreted tempera painting "Erschaffung" (Creation), based on Michelangelo's masterpiece, is shown on the cover of the exhibition catalogue, also stands out from the rest: the hand which Adam stretches out to his Creator is the robot hand of a computer machine.

The works loaned from other museums and galleries stick a bit more rigidly to the subject of the exhibition.

Heinrich Oerles painting "Fabrikarunderline the danger of the conveyorbelt worker turning into a machine him-

In the cycle of wood carvings from Gerd Arntz, "Zwölf Häuser zur Zeit" (1927) and "Lehrbilder" (1931-1938). kers, civil servants and soldiers, appea- lographic image.

This section of the exhibition also presents works by Max Ernst, Felixmüller, Guttoso, Kandinsky, Moholy-Nagy and the East German painters, Sitte and Tübke. They add artistic relevance.

In another section, the visitor to the gallery is confronted by the technical slaves of rationalisation, the machines and various apparatuses.

Alongside a multispindle machine we find two lathes and other machines which provide a rundown on the development of machine tools from the first automatic lathes (1890) to the microelectronic relays, which can give 2,000 commands and monitor their implemen-

The latter variety of machine can, of course, relieve mankind of the more laborious tasks. However, at the same time he is stripped of his "labour power", the source of his bread and butter up to this time.

Strange as it may seem, in an age of machines, robots and computers man begins to long for a return to the "sweatof-my-brow" days, to the ways in which he has earned a living ever since the expulsion from Paradise.

He feels uneasy at the thought of the new Paradise promised him by the Apostles of the new industrial revolution. The future seems more dangerous The pictures at the exhibition are an-

alysed and commented upon in the catalogue's essays, documents and statistics. Anyone who reads it will certainly find plenty of facts and figures, but no hope.

It is going to take some time before the sun shines on both sides of the Hellmut Kotschenreuther

(Kieler Nachrichten, 18 January 1984)



Akbar Behkalam's 'Creation' based on the Michelangelo masterplece. It is being to by his plan to stage a four-day dream hibited at the Berlin exhibition, Rationalisation - 1984.

Holography: illusion of icing Athousand players from six countries on an illusory cream cake

There there is light, there is also V darkness: in holography, anyway. Holographic pictures, which can only become "visible" as and in reproduction in the sense described by Walter Beniamin in his Kunstwerk im Zeitulter seiner technischen Reproduzierbarkeit (Artistic Works in the Age of Their Technical Reproducibility), have a special aura about them.

Whether an ordinary water tap or a picture of Einstein, a holographic hammer hitting a (real) nail, or such complex creations such as Dan Schweitzer's "Center of the Gallery", they all emit a three-dimensional radiance, illuminated jewels lost in the darkness of the exhibi-

Hanover's Art Gallery was the first to put on a public exhibition of holography

at the end of last year.

The Pulheim Museum of Holography and New Media is currently staging a similar exhibition at

came to advertising.

ding reproduction

of a model of the

"Parc de la Villet-

te", the Natural

Sciences Museum

planned in Paris:

three metres of park

grounds on this side

and on the other

side of the pictorial

dimension of the

museum rooms. The

category of portrait

the Museum für Volk und Wirtschuft in Düsseldorf, Exhibitions are to follow in Munich, Münster and Gelsenkirchen. The title of the exhibition, "Holography presentable. Medium of Art and

Technology", aptly circumscribes this medium's field of application. The museum showed no king use of a new medium. inhibitions when it

shape and substance guarantee our senses could not be deceived, graphy would seem to cut the go from beneath his feet.

Cologue artist Brigitte Burgmer as The CIVIL warS, will compete with ath-

For days and nights he has forced despaining actors and backstage workers

into the constraints of his vision of a totalitarian dream plny. Wilson's dream is to pacify the bour-

gois conflict sector in a surreal manner. The title is partly in capitals to emby their daily nightmares.

Wilson was inspired by photos taken

pyrotechnic eruption of colour. by US Civil War photographer Matthew Rudie Berkhout's works are min Brady, who recorded on film the tragic by geometrical abstraction. In sort appears of the war between the states. i h may be assumed that Wilson saw

ially experienced the Civil War in the Holography in Germany is repositional formation of Edgar Allan Poe as an indited by Dieter Jung. His striped and indial horror scene. nar compositions carry on both the The war too assumes dream proporof the Russian Constructivists as the lions. To the inner eye the destruction of

those of the "Zero" group, this time human life is long preserved in the fine oullines of melancholy, bizarre images. The American Sam Moree extends For reasons of time alone it can be a

holographic collages by adding to see it out: the march-past of the collages by accomplete dead families going through their valight becomes the carrier of informations catastrophes in their various countries well as appearing in its pure formations.

e^{thing} out than avoiding the apocalyptic the dream be spared such aesthetic torture?

Wilson mercilessly uses the Cologne production to submerge himself in a torhously artificial manner into the era of

Those who have seen parts of the pro-In his "Meeting", Rick Silber in other countries compare it positakes up the Baroque interplay of silvely with a new Ring cycle and negatiand appearance. His green, illustrated with a kind of Disneyland built

Wilson undermines praise and panning with an ironic comment that his Babylonian stage parable is arranged in layers along the lines of the McDonald's

(hamburger) principle.

Wilson gets his wizard

spectacular together

In reality Wilson behaves like an insatiable child dreamer who can never get his fill of the world's fairy tales.

In Germany he really struck paydirt, being helped in the process by Heiner Müller, a playwright who hails from the

Muller is a visionary of horror who constantly sees German history as the blackest of black humour, a gruesomely, consistently nihilistic farce.

The Cologne company's contribution toward the project is the first part of the First Act, the fourth part of the Third Act and the entire Fourth Act.

Silvery aquanauts lead off, clambering up tall ladders like valkyries from the science fiction studios of horror filmmaker Jack Arnold and hovering weightlessly to the spherical music of Gavin Bryars.

The Financial Times dismissed Bryars' music as having the "charm and force of an exploding teacake." Against the background of a ficititious

continent resembling South America the Wizard of Oz characters look out in vain for their dreamland.

An old king feels his way round his lost kingdom. Voltaire lets loose cynical scraps of words in a senile bout of hys-

The continent disintegrates, Battlefields are suspended from the rigging loft. The model of a landscape and a small town is pushed onstage from the

Bent double and motionless, Fredcrick the Great, played by Ingrid Andree, stands among the houses while soldiers die by the score and lights flicker to denote the order of battle.

This long and magnificent picture from the toybox is the opening scene of CIVIL wars.

All characters say their fragmentary parts with a note of incantation to emphasise the dreamlike character of the

Sentences gently go round the auditorium from the loudspeakers, delivered in audio-visual manner. They irritate irked



Up the Jacob's ladder in front of the dark continent, A scene from 'The CIVIL wars'.

(Photo: Baus-Mattar) Romantic painter Caspar David Frie-

hecklers who find such endless slow-motion scencs unbearable. "Oh what a dreadful war!" says a sol-

dier on guard mounting at camp, part of the Third Act arranged by the Cologne But the dread is already in a kind of

limbo where only the shadows of lone warriors encounter a petrified group of travellers who drive past palely in a ghostly coach.

The family in the Fourth Act is seen completely in the grotesquely pointed context of the German Romanticism of death, and the Fourth Act takes more than three hours.

It was written by Heiner Müller. With an Eichendorff quotation about home, where father and mother are long since dead, Wilson reunites isolated members of the family in a manner ranging from the traumatic to the autistic.

Yet in closest proximity they remain farthest apart from each other.

Behind a transparent curtain the little Prussian king can be seen. His flute concerto is played. German cities laid waste in World War II are seen on the screen.

Tortoises swim past. Arctic Ocean scenes are flashed on to the screen. Against this background the outlines of the actors are immobilised like those of

drich's lone landscape figures. A huge bomb hangs as light as a feather over the fairy-tale scene, like a des-

tructive toy. Along the lines of the Brothers Grimm the Erlkönig seems to join forces with the surreal figures created by Clemens von Brentano and Heiner Mül-Wilson gazes entrancedly at the fan-

tustic figures created by the German Romantics in much the same way as E. Th. A. Hoffmann looks through Spalanzani's magic glasses.

Untiringly he transposes them into constantly new and exactly calculated spheres of light so that every spectator who is able to imbibe with his eyes for hours on end this esoteric perpetual motion of pure theatre of imagery can dream his strictly personal dreams.

Those who refuse to do so (understandably a fair number) will feel provoked in a particularly disarming way in the second third of the long act - a manner extremely typical of Wilson.

In a seeming finale the actors come on stage to take their bow, but for so long that applause is bound eventually to dwindle and die.

When the less resilient theatregoers have finally left, assuming that really was the end of the show, the performance continues for a further hour.

Black writers march on stage and into the theatre on stilts, muttering names that must put Germans to shame as though they (names such as Stalingrad, Plötzensee, Auschwitz, Coventry and ventions by cruel writers of fairy tales.

A group of private donors was set up in Cologne to back Wilson's world-encompassing slow-motion theatre. Its chairman, befitting the Olympic connotation, is NOC chairman Willi Daume.

Wizard of Oz Wilson has succeeded in enlisting the support of backers such as Oabriele Henkel, a well-known patron of the arts.

Lufthansa has been called on to fly the Cologne company to the Olympic Arts Festival free of charge.

> Günter Engelhard (Riteinischer Merkor/Christ und Welt

holography (Reuwe also see factory workers, office wor- A finger finds merely emptiness . . . the telephone is just a ho- tache as Dali) forms terswärd with mous-(Photo: Museum of Holography, Pulheim! an important part of

holographic techniques in her mi less from all nations, probably resulting work. Here, she reports on a hologon in a victory of the powers of imagination phy exhibition for Kölner Stadt-Audi over the force of gravity.

forms an important part of the end year making preparations for the the exhibition, as do the so-called of solidwide spectacular, rehearsing with graphics, which include the hyperral companies in Rotterdam, Cologne, tie water tap and the inverse version Rome, Tokyo and Minneapolis. the Mona Lisa, floating way ahead the alienated Pop Art portrait a la At

A small selection of artists from rope and the USA show that hological does produce works of art.

The holographic artists, still artial ly small group, have already develop their own style and their own topics | phasise that it is the bourgeoisie them-Connections to 20th century athis selves who both cause and are affected ry involuntarily come to mind.

Ruben Nunez, better-known as 11 It indicates the external and internal etic artist, designs small-scale (tenue of clashes against the background worlds. In his "Eridan", he uses of of which, to paraphrase Cutderon, peace balls to produce reflections and ren is a dream. tions of light, triggering an elemant

his holograms, whole spherical si drons pass over the onlookers b old-fashioned way, his cubes repressible photos through the dark glasses of Euclidian world, both calculable the writer Ambrose Bierce, who personally

"Cartesian Memory" questions in Cologne this took five and a half tes was convinced that the expansion thereis of which are aimed more at car-

He finds himself grasping into ping void, into a space where and German Romanticism. bodies appear to exist.

Continued on page 11 With Lego children's bricks.

Continued from page 10

wine-glass is supplemented by a piece of reality to become a veritable whole.

C. F. Reuterswärd is one of the philosophers among the holographers. He holographed the cream-cake with

roses and a number of burning candles as a tribute to Denis Gabor, who was awarded the Nobel Prize in 1971 for discovering holography.

Whereas holograms can only be created and reconstructed via light, here we find candlelight and the warmth of the candle transforming into a large, dark cloud of smoke; the light is extinguished within its medium of presentation.

Dan Schweitzer's "The Seed" is even more confusing - indeed, perhaps the most unusual hologram of the past two

For no other hologram incorporates the fourth dimension to such an extent:

only begins to unfold when the onlooker moves sideways, emerging from its embryonic figuration.

At the same time, the "railway tracks" hend backwards in the room - linear space is no more - and the blue-green "globe" turns out to be a round hole, behind which a field of clouds passes

These objects and others not only reveal their own velocities but also exhibit individual time relationships.

The exhibition can be seen in Düssel-

dorf until 12 February. Brigitte Burgmer (Kölner Stadt-Anzeiger, 17 January 1984)





HEALTH

tankfarier Rundschau

Tearly one couple in five in the Fed-

children because either the mun or the

Sterility, says Professor Wolf-Bern-

and Schill of Munich, is evenly distri-

Professor Schill is looking into ways

andrology unit at Munich University's

The kallikrein-kinin system is still

Kinins are inactivated again fairly

Sperm have to be available in suffi-

im number and quality, but mobility is

roman cannot have them.

eral Republic of Germany have no

Enzyme experiments to

help sterile men

THE GERMAN TRIBUNE

■ RESEARCH

The forces that hold the world together

era, in Greek mythology Zeus's richer in energy an Consort, is an acronym, It stands for Hadron Electron Ring Apparatus, ter is its wavelength. and its progress is being keenly followed by physicists at home and abroad.

It is due for completion by 1990 at Desy (pronounced Daisy), another accronym standing for German Electron Synchrotron, in Hamburg.

Desy is one of the world's few largescale elementary particle physics research facilities. Scientists hope Hera will shed light on the elementary particles that form the basis of matter.

What forces and particles hold the world together? How many basic units go to make up matter? These are questions research scientists at Desy have sought to answer since 1959.

The Hamburg research centre has a payroll of 1,500 and an annual budget of

To gain some idea of what Hera stands for and how research is carried out at Desy you must first visualise the structure of an atom, which is something most of us can remember from chemis-

try lessons at school. An atom consists of a nucleus of positively charged protons and uncharged neutrons round which negatively charged electrons orbit like the planets round

Until about 50 years ago these three particles, protons, neutrons and electrons, were felt to be the smallest and

indivisible components of matter. The structure of the atom was discovered in 1911 by Ernest Rutherford, a British physicist. Lord Rutherford, as he later was, used a kind of crash test to probe the interior of the atom that in principle was much the same as the way in which research is still conducted at particle accelerators.

As he was unable to peer inside the atom (it was like a sealed bag), he shot arrows through the atomic shield. His projectiles would be deflected by anything they hit inside the atom and emerge at an angle.

Inferences could be drawn from the angle of deflection as to the shape and size of possible atomic constituents.

Rutherford's idea worked. He bombarded his atoms with radioactive alpha particles and was surprised to find that fairly few were deflected.

Until then the atom had been visualised as chock full and firmly enclosed. But Rutherford's findings allowed only

swer. They may be visualised as light waves on a specific wavelength, and the

electron is, the shor-In other words, the тоге епегду pumped into an electron, the smaller and faster it becomes. Such highspeed electrons are generated at Desy in Hamburg in particle

billion volts. Several large particle accelerators have been built in Hamburg, the latest being the Petra storage ring, with a circuit of 2,300

Petra was taken into service in 1978 and has since been constantly improved. Inside the ring negative electrons and positive positrons are accelerated to a final energy of 23 billion volts and sent hurtling at each other at nearly the speed of light.

Powerful magnetic fields keep the particle currents on course. At four points round the circuit the electrons

and positrons collide head-on. On impact they can destroy each other completely, generating pure energy that immediately explodes. In the process a number of new particles are

identified They are torn apart for billionths of a second and recorded by thousands of

sensors at the points of impact.

Petra has helped the Desy scientists to identify more parts of the atom. The entire zoo of about 300 particles that was discovered in high-altitude radiation research has now been reduced to two basic parts: quarks and leptons.

The standard model particle physicists use to account for this sub-atomic structure is fascinatingly symmetrical: six quarks and six anti-quarks (representing matter and anti-matter respectively).

They can also join forces to make up characteristic groups of three. Two so-called "u" quarks and one "d" quark make up the positive particle

in atomic nuclei, the proton. The neutral neutron consists of two "d" quarks and one "u" quark.



accelerators and The broken line marks where Hera is to be built. The circumference is about 6,900 yards and the diameter build. Either the man or the woman or charged with an about 2,200 yards. Hamburg's main soccer ground, the Volksparkstadion is inside the circle at the light both are to blame, a third in each case. energy of several The smaller circle shows the 2,500 yard circumference of the Petra facility. (Freig. Nr. 262/81 Luftamt Harber) So male sterility plays a crucial part in

charges. There is a special force that holds them together. It is transmitted by mesons, each consiting of a quark and an

anti-quark. The atomic shield or mantle consists

why the atomic nucleus is not broken up

by the reciprocal repulsion of like-poled

of a single lepton, known as an electron. Specific regular features and properties of quarks and leptons have led to the assumption that even these minute particles are not the smallest and ulti-

Yet they are smaller in diameter than the billionth part of a millionth of a mil-

The search continues, but it can only be carried out in a particle accelerator with an even greater energy potential: Hera will outperform all comers. The

tunnel that is to contain two vacuum tubes is being dug 20 metres below the Volksparkstadion soccer ground and the Bahrenfeld racetrack in Hamburg.

It will be a little over three metres (10ft) in diameter and 6.336 metres (20,788ft) long.

In the one vacuum tube electrons will be accelerated and stored at 30 billion volts. In the other, protons will be stored at a final voltage of 820 billion,

Both currents of particles will hurtle round their circuits about 50,000 times per second, with intersections at four Computers will be used to compare

the "fingerprints" of particle events and make inferences as to their properties. Scientists expect Hera to prove the

existence of particles that go to make up than at present. Superconductive technology as All were men whose marriages had sed for the new project could well been childless because their ejaculate useful elsewhere. Transmission of given childless because their ejaculate useful elsewhere. Transmission of given contained too little sperm. Kallikrein tic amounts of electric power deep-frozen lines is already concent and would be less expensive that is effective also has usual overhead high-voltage lines.

But Hera's main task will be to be the support of the support of

further look at elementary particle the seems further look at elementary particles of the cosmic forces. At present there is not in which this work can be described for the prospect of heading forth they are no longer prescribed by the prospect of heading progression.

mankind. It is strictly hasic research

Scientific curiosity is the main and deration, and project scientists are farmacologically inactive substances fascinated that particle accelerators described as part of the procedure by thick near the same of the procedure by

sure that all runs smoothly.

Wolfgung Schulz-Braunschaft

between 40 and 50 per cent of childless quarks and of forces that keep them to

less technical problems. The main led of helping sterile men in his work at the Yet in practice Hera presents counnical handicap is the magnetic field a Conventional construction technique In experiments with kallikrein, an en-

are insufficient to generate magnet zone that liberates kinins from the fields powerful enough to keep proto blood plasma, he has succeeded in makaccelerated to this speed on courses inconspatient in three fertile again. thin such a limited diameter.

in theory a power of 10,000 may shrouded in partial mystery. Kallikrein watts, or the equivalent of the output sproduced by the pancreas and in cereight nuclear power stations, would be un circumstances liberates kinins.

Superconductive magnets are the so fast, and the process occurs in genital bution to the problem, bearing in me scretions too, in which it is important that certain alloys lose their electrical inensuring the mobility of sperm. sistance at very low temperatures, with the result that current flows through them with virtually no loss. equally essential. Only fast, powerful In Hera's case what this means is to

swimmers will ever make it to the ovum. all magnets along a tunnel length of je over four miles must be kept at a or. That is why, as Professor Schill exstant temperature of minus 269°C. plains, speeding them up is a crucial Work is in full progress at Desylor part of treating men for sterility.

trick, as he has shown in a double-blind cryogenic facilities. Special magnets made of niobium katin which some nationts were given a tanium alloys are already being p dose of the enzyme, others a placebo, through their paces at realistic temper and neither doctor nor patient knew tures to ensure that Hera's ice which was which.

shoulder presents no practical problet. These tests are carried out to determ-Superconductivity reduces the case method be required to a fraction of what we carried by a course of treatment with a be required if conventional technology tamless substance they think is the real

velop suitable magnets and powell A dose of kallikrein seems to do the

Yet when the accelerator is takenit Professor Schill reports successful service Desy research scientists are present of 38 per cent of a total of 90 expecting power requirements to the patients (success being that they and 50 megawatts, or about 20 per cental bir wives then had children), as against loper cent for the placeho group.

often given women's names.

In Hera's case there may even be aboved on to the market.

ther hopes involved. As Zeus's one that groups are given the new drug she must surely be in a position of the market.

Acebo or some other standard prepara-Maybe it is as well to place the effects of which are known.

Professor Uwe Fricke of Cologne hisersity pharmacology department (Lubecker Nachrichten, 22 Janua) With them in an article in the De-

was shown to increase both the number and mobility of sperm.

About seven sterile men in 10 are felt by the professor and his staff to be suitable for kallikrein treatment. The remainder need either psychiatric or surgical help or are no-hopers.

The kullikrein administered is taken from pigs. Treatment is particularly promising when between 30 and 50 per cent of the usual sperm count is already

Where the count is lover, not even kallikrein seems to do the trick any longer. The patient's metabolism seems to be so damaged that the situation is irreversi-

Kallikrein may also be useful in artificial insemination, which is undertaken much more often when the man is sterile than when the woman is.

Artificial insemination in this case means the wife being given her husband's sperm artificially to offset its lack An admixture of kallikrein may boost

the prospects of successful insemination substantially, initial tests indicate. But trials of many more patients will need to be carried out before the point is

Male sterility, of course, is a matter of mental as well as physical factors. Stress, state of mind and the environment can make the quality of sperm

fluctuate strongly. These factors are why the success rate is so difficult to assess, but the Munich tests have proved once and for all that

kallikrein works. The results are definitely not due to coincidental considerations, such as improved circulation as a result of the course of treatment.

Munich figures give some idea of the likely demand. About 2,000 men a year visit Professor Schill and his staff for help and advice.

They can expect at present to have to wait for up to six months or a year before their first appointment.

Kallikrein has proved so successful that it is generally held to be the most promising medical course of treatment for male infertility. That is even though the success rate is

still fairly low and the way the substance works is still not entirely clarified. Dieter Schwab

(Frankfurier Rundschau, 16 January 1984)



Police games. What jolly fun!

Excuse me, madami This is the real thing! This Nuremberg lady thought these policemen were just going through the motions of a civil defence exercise. But they weren't, A tanker had overturned, spilling nitric acid, which reacted with the oxygen to form a poisonous red cloud of gas. Sixteen people, including six policemen, were taken to hospital and 40 residents evacuated. Back, dear lady!

Contraception discovery from a muscle-building substance

Max Planck medics may have discovered a substance that will form the basis of oral contraception - the Pill — for men. It is an anabolic steroid that has been

used for over 20 years to build up muscles in convalescence and taken by athletes for the same purpose. It is now reported to halt the output

of sperm without affecting either libido or the ability to have sexual intercourse. Initial tests on five men aged 21 to 25 are said by Professor Eberhard Nicschlag, head of the clinical research group on reproductive medicine, Müns-

ter, to have been most encouraging. The substance is 19-nortestosterone, used to build up muscles and to boost the output of red blood corpuscles in cases of anaemia.

The Max Planck research scientists have merely discovered a hitherto unsuspected side-effect.

In principle the method of contraception is much the same as for women. Two hormones, LH and FSH, have to be suppressed. In men they and testosterone control

the production of sperm in the spermatic duct of the testicles. In women they control the maturation

of the ova and the output of the female sex hormones oestrogen and gestagen. The Pill for women is based on the

as feelings of numbness, tiredness or

They also complain about stomach

Their complaints vary in accordance

with their illness and the kind of drug

imitated. In trials of a new drug to treat

depression typical side-effects were re-

They happened to be dryness of the

Yet even they are by no means incon-

ceivable. Voodoo rites are known in

many cases to have caused death, prov-

(Der Tagesspiegel, 10 January 1984)

headaches.

and intestinal trouble.

ported by both groups,

might seriously endanger life.

ing the power of suggestion.

Before long the FSH and LH and testosterone counts declined drastically

and sperm output dwindled. One of the five produced no more sperm after six weeks. The others were declared infertile after 12 weeks at the

fact that the output of FSH and LH is

halted by a high level of oestrogen and

gestagen in the blood, with the result

In principle the same effect could be

achieved in men by administering a high-

er dose of testosterone, but tests have

Oestrogen by itself cannot cause ma-

turation of the ovum, whereas a higher

dose of testosterone can trigger sperin

"The effect of this hormone," Profes-

sor Nieschlag says, "includes all physi-

cal and other characteristics that are

They include muscles, beard and libi

So Professor Nieschlag looked for a

substance that would suppress only the

effect of testosterone on sperm output

He and his associates have found one

in 19-nortestosterone. Its unsuspected

fertility impedance has been demonstra-

ted in an initial test lasting several

The five volunteers were given a week-

injection of the hormone for 13

weeks, the quantity being roughly the

same as what top-flight athletes are

that the ovum cannot mature.

brought a difficulty to light.

considered typically male."

and not affect other functions.

do and sexual powers.

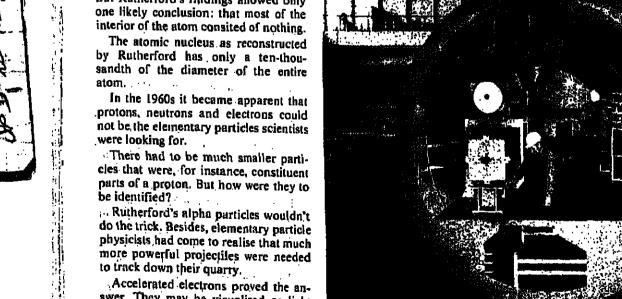
Undesirable side-effects did not occur. Libido and the ability to satisfy it remained unchanged, as did beard growth, volume of ejaculate and general physical well-being.

All five put on weight but attributed that to the intensive muscle training they had undergone during the trial period. Eighteen weeks after the last jab all

were fertile again. The Münster medics sound a note of

They are looking for a better method of administering the dose. An injection a week is felt to be unsatisfactory as a long-term procedure. Peter Schmalz (Die Welt, 12 January 1984)





A mock-up of the Hera tunnel

(Photos: DESY)

Placebos found to have side effects cember 1983 issue of Medizinische Mo-

Placebos, he writes, have been found

not only to have considerable curative effect. In between 30 and 40 per cent of cases they also have side-effects.

just as high as in the case of bona fide drugs prescribed and administered in the normal way.

complain particularly often about trouble with the central nervous system such

natsschrift for Pharmazeuten.

mouth and constipation. Patients have even been found to become addicted to placebos. The only after-effect not yet reported, Professor The percentage of side effects is thus Fricke writes, is death or anything that

Patients undergoing placebo therapy

BEHAVIOUR

Government guarantee for homes for battered wives

The Federal government in Bonn in-L tends making sure that refuges for battered women will not have to close because of lack of finance.

Heiner Geissler, Minister for Family Affairs, gave this assurance at a conference in Bad Godesberg.

There are between 120 and 150 refuges for battered wives and their children (Frauenhäuser) in Germany. Several face closure because of cutback in Land and local government finance.

It is not so long ago that, when the man of the house was discovered to be having an affair with the maid, that it was the maid who paid the consequences. Hounded out of the house, she had

Why do people drive too fast?

DIE WELT

Cologne, psychologist has been A working for 10 years to try and discover if motorists can be visually deceived into driving more slowly.

Klaus-Wolfgang Herberg works at the institute for accident research at the Rhineland TÜV, the facility which puts items including cars through technical

Herberg used 60 test people to drive through various streets in Cologne and observations were made to establish how they varied their speed.

The results were not surprising. The more easily observed a street was, the faster the traffic became. The pace increased as soon as the drivers' view became unencumbered.

Herberg warns of a major danger in this. When city streets are laid out in broad, clean, inviting lines, and are bisected by streets with right of way, accidents are almost programmed. Speed builds up and right of way is not expected to be surrendered.

He says that moving factors such as other moving traffic and pedestrians had almost no influence on speed.

He used small groups of children to find out more. Children were arranged to emerge from a school exit in groups of two and three and more.

In cases where groups were larger, about five to eight, speed did slow, but, by four kilometres an hour, not enough.

Traffic rules are clear that motorists: must slow when approach But that didn't seem to be what happened at all, says Herberg.

He suggests that to reduce traffic speeds, wide streets should be opened to car parking. This would hem in the streets and produce an optically confused picture. Plants and trees could be used for the same purpose.

But Herberg is not hopeful that anything will be done quickly. He has talked to representatives of local authority departments and says that the conservative attitude predominating wast, the car has absolute priority.

Dieter Thierbach

Rölner Stadt Anzeiger

scarcely an alternative to finding refuge with a charity organisation.

Ideas about morals and decency may have changed over the years, but there has been little decisive improvement for women fleeing from the brutality of

It became clear at the conference, attended by 300 delegates, that the problems are complex.

Lawyers, policemen, public prosecutors, women judges, teachers and social workers all related experiences. Most were depressing. Irmgard Karwatzki, secretary of state at the Ministry of Youth, Family Affairs and Health, referred to the badly paid work at the Frauenhäuser and the need to reform laws concerning the victims of violence. These were the essential parts of the is-

Stories related by the delegates were varied. They left no doubt that violence against women is a phenomenon that cuts through social classes.

The constantly crowded refuges demonstrate the need for their existence. For many they are the only place to turn to at a time of despair and powerless-

Lawyers at the conference spoke strongly about the need to dismantle prejudice and shake up public attitudes towards the problem.

There were various suggestions about what do do. These ranged from the utopian to the practical.

One was to approach the offending men with a view to achieving some sort of cooperation.

Another proposed that special houses



Dogs take to the streets

About 2,000 dogs were all present but perhaps not correct as that witnesses had they and their owners demonstrated in Hamburg against a lied, in testifying rise in dog tax to DM240 a year. Some of the littler dogs made against the accused.

rete changes in criminal codes for things such as rape. Geissler said lawyers should make 🥕 greater use of the provisions excluding the public from hearings involving rape charges. One delegate who works for an organisation offering emergency help to rape victims in Cologne, said it was wrong to belie-

other was for conc-

THE GERMAN TRIBUNE

ve that women were usually raped by strangers. Ulrike 🍑 🖰 Teubner said police showed that normalknown to each other before the crime.

and justice evidence The fortune that wasn't

ly both victim and Steelworker and father of six Dieter Ziprath, 43, and Ma will founded to carry on with medical miswere Anni, 41, of Düsseldorf, won DM466,000 in a lotter, of sions in various parts of the world. thought they had. They spent DM66,000 in celebration—will Deutsche Notärzte eV Komitee Cap then learned that the winnings should only have been DMIX Amamur has deliberately been so named Murianne Kolurik and 20 pfennigs, A computer was blamed. The couple pt to capitalise on the public recognition (Kölner Stadt-Anzeiger, 14 January 1984) paid back too. (Photo: teals his) won by the exploits of the ship.

German courts too gullible, says legal study

rman judges are far too uncritical of witnesses, according to a study by a senior judge and a prosecutor.

Professor Rolf Bender, Chief Justice of the Higher Regional Court, and state prosecutor Armin Nack say there are appalling shortcomings in the way facts are established in German courts.

It had been psychologically established that at the most, half of what witbe built to incarcerate wife beaters. An- nesses said was true. The rest was wrong, either becau-

> se it was lies or because mistakes were made. Bender, head department, faculty, at the University of Constance said that eight years of training lawyers to become judges, they were taught almost

entirely how to find the relevant paragraphs. There was nsufficient attention paid to finding out exactly what n a hearing, the decisive question was: "Was it or wasn't it?" He quoted from an analysis of 1,100 retrials in which 50 convictions for se-

rious and fairly se-

rious crime had

been made in the

original hearing but

rich experience of life plus a piga clairvoyance. necessary if witnesses were put

wrong decisions a year are probable that means making another 100 plamade. He says the psychology of are and mounting and

In 624 cases he investigated, the condished event. Many judges appeared not to lightly.

Neudeck is far too polite to suggest it, but the simple award of a decoration would have let the politicians off too lightly.

The new organisation has a few dozen activists. It also has many backers including and 70pt disease.

When several witnesses said the seen flying four hours each day on sorthing, that was less evidence that lesina chartered Cessna to look out for truth was being told than an indicate that, coincidentally or by design that, coincidentally or by design that, same story emerged.

This approach, he said, would would be to closer: "The sight was appalransacked. Parts had been vandali-

Bender and Nack have compiled to talogue of guidelines designed to talogue of guidelines designed to talogue of guidelines designed to talogue of evident talogues to decide the value of evident talogues to decide the value of evident talogues had been torn out.

Peter Healt out, fuse boxes gutted. There was

MODERN LIVING

Spirit of a mercy ship lives on

The name Cap Anamur captured German imagination as the ship that plyed the South China Sea looking for boat people, refugees from Vietnam. Between 1979 and Spitember last year, it rescued 9507. It led them out of the clutches of a hostiworld and gave them a future. But not _{my} more. The *Cap Anamur* has been sold. It is now a freighter on the Africa nst. Why? One reason is lack of cash upport. Another is German entry persis. Enough aren't being issued to warunt bringing another boatload in.

The ship has gone, but the name lives Lon. A new organisation has been

(Photo: teals he One of the founders of the original group which set off with the Cap Anmurin 1979 is Rupert Neudeck.

Neudeck is a battler. He has turned down an award for his work with the ship and the refugees. He thinks that rather than pick out one person for mention, the State should act. That means making another 100 pla-

cent of criminal proceedings and 10 ding some from widely different political beliefs: Heinrich Böll, for example, and beliefs: Heinrich Böll, for example, and

they have been doing wrong for fon is a one-man job: medical student and male nurse Winfried Rüger has

commercial shipping to the fact if there

People live by their wits and are al-

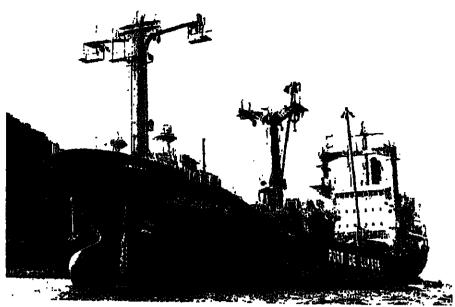
psychology of giving evidence.

One standard work said that just the hospital appeared to be in should draw conclusions based in the impression of being in superb

The picture was rudely shattered as But the problem remained how to get the blood samples quickly from London It was filthy, the buildings had to Kaiserslautern - blood testing is not possible a few hours after being taken from the donor.

> This is where the Americans came in. Brigadier General Wayne W. Lambert. commander of the 7th air division at Ramstein, offered to help.





Rupert Neudeck and the Cap Anamur... battles against bureaucracy.

nothing left of what once was a wonderful operating theatre."

The water situation remained dreadful because there was only one water hole and it contained only muddy green wa-

Eventually the team of five - Doctor Freers, plus one nurse, one male nurse and two technical workers - managed to get the hospital working again provi-

The suffering of the people was touching even for those who were used to deprivation. There were children with tropical ulcers as big as the palm of a hand eating away at body and extremi-

The ulcers thrived on bodies weak from under-nourishment but could be treated by cleaning out the wound daily.

Extreme misery, say the team, had made the children even forget how to cry. And the adults were tortured so often that it had become routine. Torture was torture. It didn't matter whether it was carried out by government troops or by guerrillas.

The only way it can be fought is by

identical blood characteristics.

three of the four factors.

Kaiserslautern.

boy new hope for life.

leukaemia.

nanzierungsfond.

So far the organisation has 35 doctors at various spots in Chad, Somalia and Ethiopia. Ghana is next on the list.

A big operation was mounted in Abeche, in Chad, one of the poorest countries in the world. Abeche has a hospital financed by the EEC and built 10 years ago by an international consortium.

But it stopped operating during the civil war and had not been functioning for some years.

Workers for the Deutsche Notürzte eV Komitee Cap Anamur worked virtually round the clock to get it back in order.

That was a typical effort where only excessive demands placed by members of the team on themselves could bring results. There is no thought of financial reward. All that is provided is free board and lodging. Lodging might be a rough bed with others in a tent.

Money is a constant problem. It comes from donations and, if things go well, from the Foreign Office out of a an emergency source called Fehlbedarfsfi-

There is often haggling: it was of great importance to get a bank account num-

ber that people could remember. They eventually managed to get a/c No. 2222222 with the Cologne city savings

The group doesn't have employees. It is basically opposed to bureacracies. Yet it is often a major paper war to get con-

tributions in. That is a major role of Neudeck, who is a journalist with the radio station Deutschlandfunk. He was once a left winger but has long since stopped concerning himself with individual political

His battles are instead against procrastination. One example is the effort to get new Vietnam ship project off the

So the Chancellor's Office was anproached. The reply came back. The Chancellor had taken an interest. There was no doubt that the project was of great human and moral significance. The request would be forwarded to the competent authority.

And nothing more was heard of that. Gerd Kröncke (Süddeutsche Zeitung, 30 Decembar 1983)

The division regularly runs a courier US air force aircraft to Britain and back and the operation was geared up.

But the first effort almost came a cropper. Everything was set to go when it was realised that the courier would not fly that day - it was Thanksgiving

Day, November 24. But all was not lost. In stepped Chief Master Sergeant Maximilian Pfauntsch, a member of the air division staff, to demonstrate the organising ability of his

He arranged for the blood samples to brought by Lufthansa to Frankfurt, where they were picked up by a 7th air division aircraft and brought to Ramstein.

Since then, the courier aircrast has been bringing samples direct to Ramstein where they are taken to Kaiserslautern in the on-going process of elimination in the effort to find the blood with the fourth compatible factor.

There seems to be luck in the latest run. All three samples appear to be almost identical to Stefan's blood.

When the matching process is completed; Stefan will go to NewYork for the operation. A technique has been developed there to perform the operation where the blood characteristics are not absolutely identical.

A German Lustwaffe aircraft will be made available to take Stefan to Washington, the Americans say, But General Lambert is trying to arrange a better connection straight to New York.

Uwe-Peter Grieger

(Saarbrücker Zeitung, 11 January 1983)



their appearance in shopping baskets as a precaution Bender suggests that (Die Weit, 9 January 1984) against their bigger, aggressiver brothers. (Photo: doa) several thousand

examination and giving evidence short and mounting air and sea searches for be mandatory in legal training.

said by George Bernard Shaw: "It has changed its area of action to consider experience to be some Africa. Its last South China Sea opera-

Judges should also be careful at sayone to rescue.

Witnesses spoke with any special compared in a hospital project in Uganda. Nation. Investigation had revealed the last is about 50 miles from Kampala shown to be wrong, 70 per cent into the properties by properties b

evidence given in this way.

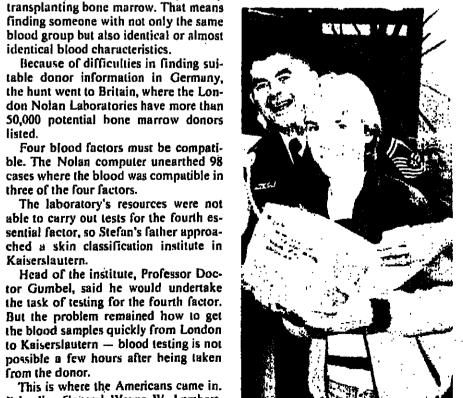
He criticised the fact that ther shall be first sign of trouble.

little literature for judges on the substitute first sign of trouble.

of cross-examination techniques and largues Freers, a doctor with the team little literature of giving evidence.

tougher tests over their credibility.

The American air force has played a L part in giving a 16-year-old German Stefan (only his first name has been helps young released for publication) from the town of Hoppstädten, in south Germany, has cancer victim



A good deed . . . Chief Master Sergeant Plauntsch with Stefan.